

# A SYSTEM FOR EXCHANGING DATA UTILIZING REMOTE DIRECT MEMORY ACCESS

## ABSTRACT OF THE INVENTION

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Embodiments of the present invention are directed to a system for  
exchanging data utilizing Remote Direct Memory Access. In response to a  
system call, a Network File System component generates a file request. An  
External Data Representation component formats the file request and passes  
10 the request to a Remote Procedure Call component which initiates the file  
request with a remote computer system. The Remote Procedure Call is passed  
to a unifying layer which communicates the the Remote Procedure Call to  
various transport layer Remote Direct Memory Access implementations. The  
various Remote Direct Memory Access implementations are used to exchange  
15 the data in order to communicate the file request.